

Purchasing Receipts

PO No	Supplier	Line Item No	Rel Terms	Purchased Item	Description	For Project No	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO041481	MES002-VC	1	Net 60	MT-4140-B-1.500X2.250	AISI 4140 / 4142 Steel Bar 1.500 T x 2.250 W : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC				8/11/9/2018	8	S124011	Stock	10/31/2018	\$ 38.06 / ft		1	\$304.50	Metaux Solutions	
		2		MT-4140-S-1.250X2.125	AISI 4140 / 4142 Steel Plate 1.250" X 2.125" : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC					6	S124012	Stock	10/31/2018	\$ 30.45 / ft		1	\$182.70	Metaux Solutions	
		3		MT-4140-S-1.500X4.000	4140 Steel Sheet 1.500 X 4.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395					24	S124013	Stock	10/31/2018	\$ 64.53 / ft		1	\$1,548.60	Metaux Solutions	
Total:										38						38		\$1,552.11	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041481

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041481
PO Date: 10/26/18
Due Date: 11/9/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:
Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

E-MAILED
OCT 7 2018

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		MT-4140-B-1.500X2.250		AISI 4140 / 4142 Steel Bar 1.500 T x 2.250 W : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC	Firmed	-	11/9/18	8 ft	0 ft	8 ft	\$38.0625/ft	\$304.50
2	A	MT-4140-S-1.250X2.125	MP11441H	AISI 4140 / 4142 Steel Plate 1.250" X 2.125" : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC	Firmed	-	11/9/18	6 ft	0 ft	6 ft	\$30.45/ft	\$182.70



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041481

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3/ A1		MT-4140-S- 1.500X4.000		4140 Steel Sheet 1.500 X 4.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed -		11/9/18	24 ft	✓ 24 ft	0 ft	24 ft	\$64.525/ft \$1,548.60 A1 18/11/02

Grand Total: \$2,035.80

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/26/18 11:42 AM dart.lavoie.chantal

~~6061t6 bar 2" x 3" x 12 ft 36.70/ft~~

~~6061t6 angle 1" x 1" x .125" wall x 20 ft 5.20/ft~~

~~1144 round bar 4.5" x 6 ft 1613.85/lb.~~

~~4140 bar 2" x 4" x 8 ft 684.60/lb.~~

~~4140 bar 1.5" x 2.250" x 8 ft 304.50/lb.~~

~~4140 sheet/plate 1.250" x 2.125" x 6 ft 182.70/lb.~~

~~4140 sheet/plate 1.5" x 4" x 24 ft 774.30/lb~~

~~4140 qt round bar 0.875" x 12 ft 177.75/lb~~

~~4140 qt round bar 6.5" x 3 ft 198.70/lb~~

~~4140 qt round bar 2.5" x 12 ft 55.00/lb~~

~~4140 qt round bar 2.750" x 12 ft 66.55/lb~~

~~4140 qt round bar 4" x 4 ft 160.40/lb~~

~~Hrs round bar 6" x 2 ft 311.40/lb~~

~~Hrs plate 0.625" x 1 pcs of 4 ft x 4 ft 616.45/lb~~

~~17-4 round bar 0.750" x 24 ft 16.70/lb~~

Thanks
Chantal

Chantal Lavole
Purchasing Coordinator

DART AEROSPACE
T 1 613 632-5200
F 1 613 632-1053
E clavole@dartaero.com
1 800 556-4166
www.dartaerospace.com



Jérôme Primeau

De: Chantal Lavoie <clavoie@dartaero.com>
Envoyé: Monday, October 22, 2018 11:29 AM
À: Jérôme Primeau
Objet: quote

Good morning Jerome,
Please advise price an delivery on mat'l.

~~1008~~
~~1010 sheet .125" x 32 sf 725.00/f. 4' x 8'~~

~~1018 sheet 0.625" x 1 pcs of 4 ft x 4 ft 616.61/each~~

~~1018 bar 0.625" x 10" x 4 ft 325.00/fch.~~

~~1018 round bar 1.625" x 12 ft 12.60/ft~~

~~304 bar 0.750" x 1" x 12 ft /3.20/FT~~

~~304 bar 1" x 1.250" x 12 ft = 33.10/FT
1 1/2~~

~~304 round bar 0.313 x 12 ft 1.40/FT~~

~~304 round bar 5.5" x 10 pcs cut at 10.625" 438.35/fch.~~

~~303 round bar 0.500" x 36 ft 5.80/FT~~

~~303 round bar 1" x 24 ft 15.10/FT~~

~~303 round bar 0.750" x 24 ft 9.150/FT~~

~~303 bar 1" x 3" x 12 ft 135.45/FT~~

~~4130n round tubing 0.500" x .083" wall x 100 ft 16.80/FT~~

~~4130n round bar 0.250" x 12 ft regular~~

~~6061t6 round bar 1" x 24 FT 6.75/FT~~

~~6061t6 round bar 1.125" x 24 ft 7.35/FT~~

~~6061t6 round bar 1.5" x 12 ft 14.20/FT~~

~~6061t6 round bar 5.5" x 3 ft 147.80/FT~~

~~6061t6 round bar 6" x 2 pes cut at 6 ft 158.40/FT~~

~~6061t6 bar 0.875" x 2.250" x 12 ft OFFER + x 2 1/2 = 14.20/FT~~

~~6061t6 bar 1" x 3" x 12 ft 20.00/FT~~

~~6061t6 bar 1" x 3.625" x 6 ft 1 x 4 = 21.00/FT~~

~~6061t6 bar 1" x 6" x 36 ft 32.60/FT~~

~~6061t6 bar 2.375" x 7" x 4 ft x 2 1/2 = 1332.10/FT~~

~~6061t6 bar 2.5" x 1.5" x 12 ft 25.85/FT~~

~~6061t6 bar 0.625" x 0.625" x 12 ft 7.20/FT~~

~~6061t6 bar 2.5" x 2.5" x 6 ft 46.40/FT~~

~~6061t6 bar 0.750" x 00.125" x 60 ft 1.55/FT~~

~~6061t6 bar 1.5" x 2" x 12 ft 21.00/FT~~

~~6061t6 bar 1.5" x 2.5" x 24 ft 22.40/FT~~

~~6061t6 bar 2" x 2.250" x 12 ft 32.20/FT~~

Shipping Order

29/10/2018

METAUX SOLUTIONS INC
 2625 BOUL JACQUES CARTIER EST
 LONGUEUIL, QUEBEC
 J4N 1L7 Tel. : 450 641-3330

Order : 139259
Reference : 41481
Ship : PICK UP / PICK UP

Customer: 6323336*Ship To*

DART AEROSPACE LTD
 1270, ABERDEEN STREET
 HAWKESBURY, ONTARIO
 K6A 1K7

Same

Tel.: 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Delivered</i>	<i>B/O Qty</i>
MP11241H	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 4140 HTSR PLATE 1.5" THICK 1.5298 2.43 1 X 2.25" X 96" 1.52.4" X 96" HT94790 M	105	105	0
MP11441H	4140 HTSR PLATE 1.250" THICK 1.282 X 2.400 1 X 2.125" X 72" 1.288 X 2.417 X 72" HT94790 M	63	63	0
MP112441H	4140 HTSR FLAT 1.500 X 4.000 TO FIN 2 X 144" 1.535" X 4.045" HT94466 M	534	534	0

LIVRE

JP

Shipping : _____
 Package No : _____
 Merchandise Received : _____

Ref. : _____



Métaux Solutions

L'alliage de qualité et de rapidité !

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com

T 450 641-3330

Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

30 oct. 2018

Shipped by: [Redacted] Shipped City: [Redacted]

MST15000

2,140 Pounds

Plate 1-1/2 4140/42 Prehard

33.81250 x 146.31250

ASTM A-829

DFARS Compliant

Country of Origin: USA

Lot: 426124A

PM Heat: 94790

BHN: 271

C: 0.4200

Mn: 0.8000

P: 0.0140

S: 0.0060

Si: 0.2500

Cr: 0.9000

Mo: 0.1700

Cu: 0.2300

V: 0.0430

Ni: 0.1000

ITEM : 1 X 2.25" X 96"

COMMANDE : 139259

REF : 41481

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.


Préparé par

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

PART NUMBER:

MT-4140-S-[T].[T][T] x [W].[W][W]
WHERE "T.TT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

ASTM A829, AMS 6395

DART AEROSPACE		AISI 4140 / 4142 STEEL SHEET OR PLATE		MT-4140-S	
REV.	1	REV.	1	REV.	A
1	2	1	2	1	2
3	4	3	4	3	4
5	6	5	6	5	6
7	8	7	8	7	8
D	C	B	A	D	C
SPECIFICATIONS AND COMMENTS					
ALL DIMENSIONS ARE IN INCHES INTERPRETED PER ASME Y14.5M-2009 DRAWINGS ARE THE PROPERTY OF DART AEROSPACE AND ARE NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE					
TOOL NO.:	-	INITIALS AND DATE:	VM 27/3/2018	REL:	A
DESIGNED BY:	VM 02/15/2018	TOLENCES:	XX	FRACTIONS: 1/16	1/16
DRAWN BY:	VM 02/15/2018	ANGLES:	XX	ANGLES: 1/16	1/16
CHECKED BY:	VM 02/15/2018	SURFACE:	X	ROUGHNESS:	2.1
INFO REVIEW BY:	DD 02/15/2018	APPROVED BY:	ML 02/15/2018	SCALE: MTS	MT-4140-S
COPYRIGHT © 2018 BY DART AEROSPACE LTD. This document is the property of DART Aerospace Ltd. It is to be used only by the individual or department to whom it was issued. It is to be returned to DART Aerospace Ltd. upon completion of its intended use. It is to be handled with care and kept clean. It is to be stored in a safe place when not in use.					

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.500x2.250
 DATE: 10/11/01

PO / BATCH NO.: P004140/S124011

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 84
 QUANTITY INSPECTED: 84
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500"
 THICKNESS RECEIVED: 1.500"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM A829</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>H7: 94790</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>10/11/01</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Métaux Solutions

L'alliage de qualité et de rapidité !

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com

T 450 641-3330

Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

30 oct. 2018

Part Number / Description **Shipped Qty**

MST12500

1,782 Pounds

Plate 1-1/4 4140/42 Prehard

34.06250 x 144.62500

ASTM A-829

DFARS Compliant

Country of Origin: USA

Lot: 426352b

PM Heat: 94790

BHN: 277

C: 0.4200

Mn: 0.8000

P: 0.0140

S: 0.0060

Si: 0.2500

Cr: 0.9000

Mo: 0.1700

Cu: 0.2300

V: 0.0430

Ni: 0.1000

ITEM 2: 1 X 2.125" X 72"

COMMANDE : 139259

REF : 41481

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER:

MT-4140-S-[T].[TTT] x [W].[WWW]
WHERE "T.[TTT]" = THICKNESS IN INCHES
WHERE "W.[WWW]" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



AISI 4140 / 4142 STEEL SHEET OR PLATE

PART NO.	REV	DATE APPROVED
MT-4140-S	A	VM 18-544 18-13 VM M

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES ARE AS PER ASME Y14.5M-2008
UNLESS OTHERWISE STATED, TOLERANCES
APPLY AT THE MIDDLE OF THE PART.
FRACTIONS 1/8 IN
1/16 IN
1/32 IN
1/64 IN
1/128 IN
1/256 IN
1/512 IN
1/1024 IN

DESIGNER BY: VM 2/13/2018
DRAWN BY: VM 1/2/15/2018
CHECKED BY: VM 02/13/2018
MFG REVIEW BY: DJ 02/13/2018
APPROVED BY: ML 02/14/2018
SCALE: 1/16 INCHES
SHEET 1 OF 1

Copyright © 2018 DART AEROSPACE LTD
No part of this document may be reproduced without written permission from DART Aerospace Ltd.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7-4140-S-1.250X2.05

PO / BATCH NO.: P0041481/Si14012

DATE: 18/11/01

MATERIAL CERT REC'D: Y

THICKNESS ORDERED: 1.250"

QUANTITY RECEIVED: 6L+

THICKNESS RECEIVED: 1.250"

QUANTITY INSPECTED: 6L+

SHEET SIZE ORDERED: -

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	<i>ASFM A829</i>
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	<i>HT. 947790</i>
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/11/01</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Métaux Solutions

L'alliage de qualité et de rapidité!

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com
T 450 641-3330
Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

30 oct. 2018

[Redacted]

MSP15000-40000

1,779 Pounds

Bar 1-1/2 x 4 x Any

4.01500 x 146.37500

DFARS Compliant

Country of Origin: SLOVENIA

Lot: 423916C

PM Heat: 94466

BHN: 284

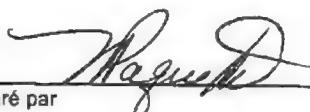
C: 0.4000	Mn: 0.7640	P: 0.0100	S: 0.0005	Si: 0.2500
Cr: 0.9600	Mo: 0.1500	Cu: 0.2500	V: 0.0380	Ni: 0.2200

ITEM 3: 2 X 144"

COMMANDE : 139259

REF : 41481

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.



Préparé par

Reply all | Delete | Junk | ...

FW: Metaux Solutions PO041481 missing ASTM

Chantal Lavoie

11/13/2018 12:32 PM

Andrew Tollis

Reply all |

Same astm for all mat'l.

Thanks

Chantal

From: Jérôme Primeau <j.primeau@metauxsolutions.com>

Sent: Tuesday, November 13, 2018 1:24 PM

To: Chantal Lavoie <clavoie@dartaero.com>

Subject: RE: Metaux Solutions PO041481 missing ASTM

It's the same of all other

De : Chantal Lavoie [mailto:clavoie@dartaero.com]

Envoyé : Tuesday, November 13, 2018 12:54 PM

À : Jérôme Primeau <j.primeau@metauxsolutions.com>

Objet : FW: Metaux Solutions PO041481 missing ASTM

Hi Jerome,

On po041481 line #3 we are missing the astm #.

Thanks

Chantal

From: Andrew Tollis

Sent: Tuesday, November 13, 2018 12:47 PM

To: Chantal Lavoie <clavoie@dartaero.com>

Cc: Patrick Duval <pduval@dartaero.com>

Subject: Re: Metaux Solutions PO041481 missing ASTM

Hi Chantal,

Any update for this?

Thank you,

Andrew

From: Andrew Tollis

Sent: Friday, November 2, 2018 9:02:04 AM

To: Chantal Lavoie

Cc: Patrick Duval

Subject: Metaux Solutions PO041481 missing ASTM

 Reply all |  Delete  Junk |  ...

Missing ASTM or AMS on line 3 of PO041481 from Metaux Solutions.

Thank you,
Andrew

This e-mail message has been scanned by 



Métaux Solutions

L'alliage de qualité et de rapidité !

2625, Boul. Jacques-Cartier Est
Longueuil (Québec) J4N 1L7

info@metauxsolutions.com

T 450 641-3330

Ext : 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

30 oct. 2018

Part Number: 4140/42 Prehard
Description: Plate 1-1/2" x 2.25" x 96"

MST15000

2,140 Pounds

Plate 1-1/2 4140/42 Prehard

33.81250-x-146.31250

ASTM A-829

DFARS Compliant

Country of Origin: USA

Lot: 426124A

PM Heat: 94790

BHN: 271

C: 0.4200

Mn: 0.8000

P: 0.0140

S: 0.0060

Si: 0.2500

Cr: 0.9000

Mo: 0.1700

Cu: 0.2300

V: 0.0430

Ni: 0.1000

ITEM : 1 X 2.25" X 96"

COMMANDE : 139259

REF : 41481

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.


Préparé par

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : **AISI 4140 4142 STEEL SHEET OR PLATE**
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

ASTM A829, AMS 6395

PART NUMBER:

MT-4140-S-[T,TTT] x [W,WWW]
WHERE "T,TTT" = THICKNESS IN INCHES
WHERE "W,WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



Specified by: Date: 02/01/18
PTEF

AISI 4140 / 4142 STEEL SHEET OR PLATE

PART NO. MT-4140-S REV. A

TOOL NO.	REVISION
-	-
DESIGNED BY:	INITIALS AND DATE
VM 2/1/2018	VM 2/1/2018
DRAWN BY:	INITIALS AND DATE
VM 02/1/2018	VM 02/1/2018
CHECKED BY:	INITIALS AND DATE
VM 02/1/2018	X 02/1/2018
MFG REVIEW BY:	INITIALS AND DATE
DD 02/1/2018	
APPROVED BY:	INITIALS AND DATE
ML 02/1/2018	

SCALE: 1:1 SHEET OF 1
COPYRIGHT © 2018 BY DART AEROSPACE LTD
NOTICE: No part of this drawing may be reproduced without written permission from DART Aerospace Ltd.
DRAFT: This document is a draft and is subject to change. It is not to be used for manufacturing or inspection purposes.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-1.500x4.000

PO / BATCH NO.: P0041481/5124013

DATE: 18/11/13

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1.500"

QUANTITY RECEIVED: 24LT

THICKNESS RECEIVED: 1.500"

QUANTITY INSPECTED: 29LT

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	<u>ASTM A829</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>UTP 94466</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/11/13</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in